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*(1.) For these prizes, competition is open to the whole Province, and to the Madras Presidency.

(2.) Exhibitors are particularly requested to give notice to the Superintendent, Lal-Bagh, at least 4 days before the Show, of probable number of pots, &c., they intend to send and for what prizes they intend to compete, in view to arrangements for staging being made in time.

(3.) Plants for exhibition should be at the Lal-Bagh by 9 A. M. on the morning before the Show. The prizes for which they are intended to compete should be clearly stated.

(4.) Cut flowers may be sent up to 2 P. M. on the day of the Show, but not later if intended for competition.

(5.) Exhibitors will not be permitted to remove their exhibits until the Show is closed.

(6.) It shall be competent for the Judges to reduce the amount of prizes or altogether to withhold them if in their opinion the exhibits are of insufficient merit.

(7.) The Judges may award special extra prizes in cases of exceptional merit.

(8.) No articles can compete for more than one prize.

(9.) Gainers of 4 prizes and upwards to have the option of a medal (bronze, silver or gold) representing the money value of their said prizes.

L. RICKETTS,
Inspector General of Forests in charge of Govt. Gardens.

No. 5226A., dated 14th August 1886.

From—The Director, Department of Agriculture, and Commerce, North-Western Provinces and Oudh,

To—The Secretary to the Government of the North-Western Provinces and Oudh.

In reply to your No. $\frac{2087}{1,360}$, dated 11th December 1885, I have the honor to state that in 1883-84 Juar was ensilaged in three earthen pits and Sorghum in two masonry pits; the latter were disused masonry tanks made in connection with certain experiments connected with subsoil drainage, and were not made purposely for ensilage. Of the earthen pits, the details of cost of only one were separately noted. The pit consisted of a circular hole dug into the ground 6 feet deep and 10 feet in diameter, was plastered inside with mud and was protected by a tiling against the rains. The fodder ensilaged was Juar; its stalks were chopped before packing. The stuff was trodden down by men to pack it close, and was weighted by earth; 163 maunds of Juar were packed, when opened about 6 inches at the sides and the top had become mouldy, and this caused a loss of nearly 20 per cent.

	Rs.	As.	P.
Cost of digging the pit amounted to	0	12	6
Cost of plastering do do	0	11	3
Cost of tiling with supports amounted to	12	8	0
Total....	13	15	9

Assuming the tiling and the pit to last for 10 years, the cost of construction may be taken at Rs. 1—6—6. Adding to this the price of the fodder and the cost of chaffing and packing, and making allowance for the quantity which had become mouldy, the cost per maund of good fodder taken out of the silo may be put at Rs. 0—2—6.

	Rs.	As.	P.
Price of 163 maunds of Juar stalks	16	5	0
Cost of chaffing	1	4	6
Cost of packing and weighting	1	13	3
Cost of construction of silo	1	6	6
Total cost	20	13	3
Weight of good fodder taken out 130 maunds.			
Cost per maund of good chopped fodder	0	2	6

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The silo was opened in April when dry Juar stalks were selling at nearly 4 annas per maund, and the grass and bhusa were selling at Rs. 0—5—10 and 0—6—5 per maund respectively.

In 1884—85 ten earthen pits were made; of these seven were provided with chappars, and over three only a sloping mound of earth was raised, none of them was plastered. The dimensions, cost of construction and packing, and the quantity of fodder packed in each of these are noted in the following table. The price of the Juar at the time it was ensilaged was Rs. 0—1—6 per maund, and the common grass was purchased at one anna per maund :—

Table.

No. of silo.	Form of silo.	Fodder ensilaged.	Quantity filled in.	Cost of Construction.			Cost of chopping.	Cost of filling, treading and weighting.
				Cost of digging.	Cost of roofing including supports.	Total.		
1	2	3	4	5	6	7	8	9
			Maunds.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.
1	Cylindrical, 6' diameter 10' deep	Juar ...	71	0 8 0	0 6 0	0 14 0	2 2 3	0 15 6
2	Do do do ...	„ ...	74	0 8 0	0 5 0	0 13 0	1 12 6	0 10 6
3	Do do do ...	„ ..	62	0 8 0	0 5 0	0 13 0	2 9 3	0 13 0
		Sorghum.	23					
4	Do do do ...	Juar ..	61	0 8 0	0 11 0	1 3 6	1 6 6	0 8 0
5	Do do 20' do ...	„ ...	180	2 0 0	0 13 0	2 13 6	4 13 0	1 10 3
6	Do do 6' do ...	„ ...	171	0 12 0	2 8 0	3 4 0	5 3 6	1 8 0
7	Elliptical, longest diameter 18', shortest diameter 10' depth 11'	„ ...	490	3 11 0	26 13 0	30 8 0	13 13 0	2 8 0
8	Elliptical, longest diameter 25', shortest diameter 10', depth 12'	„ ...	756	6 8 3	29 13 0	36 5 3	20 1 6	4 11 0
9	Elliptical, longest diameter 30', shortest diameter 18', depth 13'	Juar ...	1,417	13 9 0	55 7 6	69 0 6	43 13 3	7 14 3
		Guinea grass ...	416					
	Total...	Juar ...	3282	28 8 3	117 2 6	145 10 5	95 10 9	21 2 6
		Sorghum ...	23					
		Guinea grass.	416					
10	Elliptical, longest diameter 18', shortest diameter 10', depth 11'	Common grass ...	725	3 12 0	27 10 0	31 6 0	...	3 8 0

The average amount of wastage due to the portions by the sides becoming mouldy and the loss in weight by evaporation of some of the water which the green stalks contained amounted to about 16 per cent. Reducing the total weight by this amount and assuming the shed and pit to last for five years, the cost per maund of good Juar fodder amounted to about Rs. 0—2—6 per maund as detailed below :—

	Rs.	As.	P.
Cost of construction of silos Nos. 1 to 9	29	2	2
Chopping of fodder ensilaged in silos Nos. 1 to 9	95	10	9
Packing and weighting do	21	2	6
Total cost of ensilaging 3,282 maunds Juar, 23 maunds Sorghum, and 416 maunds Guinea grass contained in silos Nos. 1 to 9 ..	145	15	5
Proportionately therefore the cost of ensilaging 3,282 maunds Juar amounted to	128	12	8
Price of do at the time of ensilaging	307	11	0
Total cost ...	436	7	8
Cost per maund after allowing for wastage ...	0	2	6

Similarly cost per maund of common grass amounted to Rs. 0—1—5 per maund. Pits Nos. 1, 2, 5, and 9 were opened in the hot month when the prices of Bhusa, Juar stalk and common grass were as follow :

	Rs. As. P.				Rs. As. P.			
Bhusa	0	4	8	to	0	5	4	per maund.
Juar	0	3	6	to	0	4	6	„
Common grass	0	5	4	to	0	7	0	„

Pits Nos. 3, 4, 7 were not opened till November 1885, and pits Nos. 6 and 8 were still kept close. The price of Juar, Bhusa and common grass in the neighbourhood of the Farm in the months of November to May during which the contents of these pits were fed ranged as follows :

	Rs. As. P.				Rs. A. P.		
Juar stalk from	0	3	0	to	0	6	6
Bhusa from	0	5	5	to	0	7	0
Common grass	0	6	0	to	0	8	0

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